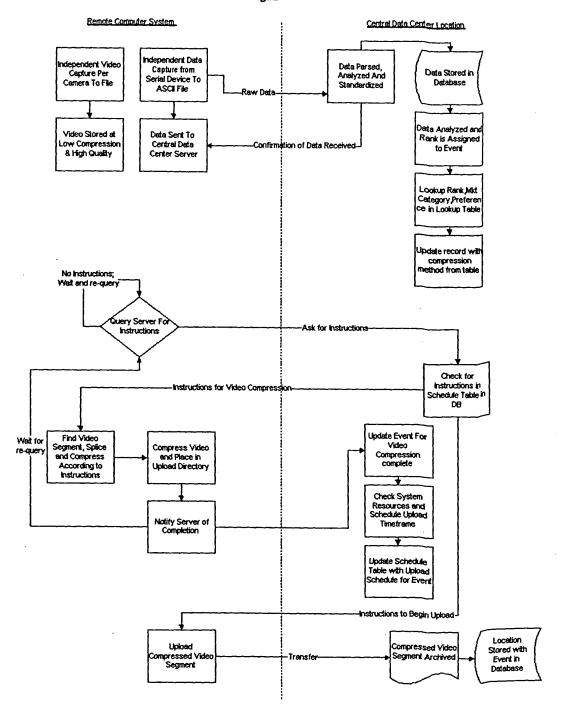


F16. 1



Calculate Normal Distribution % for all Standard Events

Using Standard Distribution model based on frequency distributions. Ranking based on percentile.

Calculate Normal Distribution % for all Standard Parameters

Use Frequency distribution to calculate percentiles within event types as well as globally across event types.

Calculate Normal Distribution for Standard Parameter Values

Calculate standard deviation for value parameters and frequency distribution for text parameter values.

Use standard deviation to calculate factor used for 'normal' and then the amount of deviation for the ranking.

Generate Modifiers for Market Category Market category modifiers affect the curvature of the line and how steep the curvature is. The less curvature, the more qualify and less compression on average are used for the middle ranks (ex. 3-7). Certain market categories will use more curvature because there are more transactions per day (quick service) or the video required for high level events must be high qualify and of more length (security applications). Also, the greater the amount of data available from the serial device, the shallower the curve because the analysis reduces the risk of unnecessary video

Generate Modifiers for Unit Types Unit Type Modifier indicates the percentage of the maximum slope of the curve. The maximum slope indicates the highest amount of bandwidth necessary to meet the curve. The lower the slope, the less high-quality video is necessary for higher ranked events even though lower ranked events are affected less.

Generate Allocation Curve Equations Per Customer Basic Equation: y=mx+b for maximum slope line where m=slope calculated from minimum kilobyte value and maximum kilobyte value and b=y intercept (minimum kilobyte value)

Modified Equation: y=[slope modifier]*mx + b where modifier is derived from unit type and preference values
Final Curve Equation: y=[sm]*mx*[power]*[x/10] + b where power is derived from market category & preferences
Average Event Size in Kb calculated based on # locations and monthly budget determining downstream bandwidth

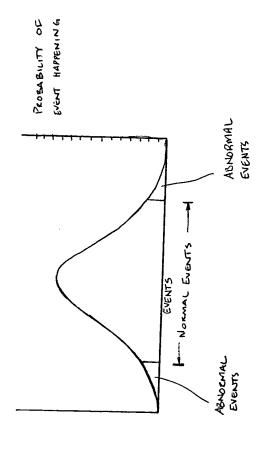
Generate Max/Min Kb size per rank level based on Curvature

Max kilobyte size generated using customer maximum budget & total locations on frequency and channel.

Minimum kilobye size generated using customer preferences and unit types for compression options with media encoder

Populate lookup table for Market Category/Unit Type/Preference with compression method for each rank

Each compression curve will be different based on Market category, unit type and customer preference.



F19. 4

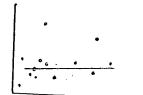


FIG. 5



FIG. 6

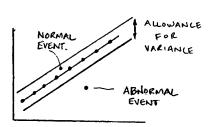
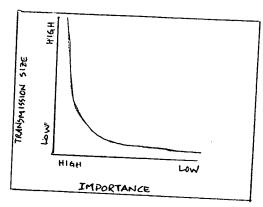
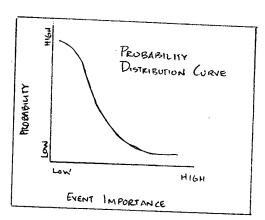


FIG. 7

STANDARD					FV	117 /-						
CONFIGURATION	O 1 2 3 4 STICALITY								AVERAGE	PROBABLE		
1 '	15	20	25	30	35	40			8		BANOWIOTH (Kb)	BANDWIDTH (Kb)
2	20	20	25	30			45	50	75	100	36.7	25.8
3	25	_	35		50	50	50	75	100	110	35.7	30,1
4	30	50 40		AD	60	60	60	85	110	120	35.7	38.6
		40	45	50	70	70	70	95	120	130	34.7	47.1



F14. 9



F16. 10